Jan Oskar Jeppesen

List of Publications by Year
in descending order

		94433	82547
73 papers	5,186 citations	37 h-index	72 g-index
76 all docs	76 docs citations	76 times ranked	3982 citing authors

#	Article	IF	Citations
1	Switching Devices Based on Interlocked Molecules. Accounts of Chemical Research, 2001, 34, 433-444.	15.6	770
2	Linear Artificial Molecular Muscles. Journal of the American Chemical Society, 2005, 127, 9745-9759.	13.7	660
3	Ground-State Equilibrium Thermodynamics and Switching Kinetics of Bistable [2]Rotaxanes Switched in Solution, Polymer Gels, and Molecular Electronic Devices. Chemistry - A European Journal, 2006, 12, 261-279.	3.3	216
4	Tetrathiafulvalene Cyclophanes and Cage Molecules. Chemical Reviews, 2004, 104, 5115-5132.	47.7	194
5	Slow Shuttling in an Amphiphilic Bistable [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. Angewandte Chemie - International Edition, 2001, 40, 1216-1221.	13.8	169
6	Tetra-TTF Calix[4]pyrrole:â€‰ A Rationally Designed Receptor for Electron-Deficient Neutral Guests. Journal of the American Chemical Society, 2004, 126, 16296-16297.	13.7	156
7	Amphiphilic Bistable Rotaxanes. Chemistry - A European Journal, 2003, 9, 2982-3007.	3.3	147
8	Binding Studies between Tetrathiafulvalene Derivatives and Cyclobis(paraquat-p-phenylene). Journal of Organic Chemistry, 2001, 66, 3559-3563.	3.2	142
9	Pyrrolo-Annelated Tetrathiafulvalenes:Â The Parent Systems. Journal of Organic Chemistry, 2000, 65, 5794-5805.	3.2	129
10	Positive Homotropic Allosteric Receptors for Neutral Guests: Annulated Tetrathiafulvaleneâ€“Calix[4]pyrroles as Colorimetric Chemosensors for Nitroaromatic Explosives. Chemistry - A European Journal, 2010, 16, 848-854.	3.3	127
11	Functionally Rigid Bistable [2]Rotaxanes. Journal of the American Chemical Society, 2007, 129, 960-970.	13.7	125
12	Single-Molecule Electrochemical Gating in Ionic Liquids. Journal of the American Chemical Society, 2012, 134, 16817-16826.	13.7	118
13	A mono-TTF-annulated porphyrin as a fluorescence switchElectronic supplementary information (ESI) available: data for 4. See http://www.rsc.org/suppdata/cc/b2/b212456d/. Chemical Communications, 2003, , 846-847.	4.1	114
14	Mono-Tetrathiafulvalene Calix[4]pyrrole in the Electrochemical Sensing of Anions. Angewandte Chemie - International Edition, 2003, 42, 187-191.	13.8	113
15	Tetrathiafulvalene-Calix[4]pyrroles:Â Synthesis, Anion Binding, and Electrochemical Properties. Journal of the American Chemical Society, 2006, 128, 2444-2451.	13.7	107
16	Counterion-Induced Translational Isomerism in a Bistable [2]Rotaxane. Organic Letters, 2004, 6, 4167-4170.	4.6	91
17	Supramolecular Receptor Design: Anion-Triggered Binding of C60. Angewandte Chemie - International Edition, 2006, 45, 6848-6853.	13.8	90
18	Functionalised tetrathiafulvalene- (TTF-) macrocycles: recent trends in applied supramolecular chemistry. Chemical Society Reviews, 2018, 47, 5614-5645.	38.1	89

#	Article	IF	Citations
19	Tetrathiafulvalene- (TTF-) Derived Oligopyrrolic Macrocycles. Chemical Reviews, 2017, 117, 2641-2710.	47.7	84
20	Chloride Anion Controlled Molecular â€œSwitchingâ€ Binding of 2,5,7-Trinitro-9-dicyanomethylenefluorene-C₆₀ by Tetrathiafulvalene Calix[4]pyrrole and Photophysical Generation of Two Different Charge-Separated States. Journal of the American Chemical Society, 2008, 130, 460-462.	13.7	79
21	In the Twilight Zone between [2]Pseudorotaxanes and [2]Rotaxanes. Chemistry - A European Journal, 2003, 9, 4611-4625.	3.3	78
22	Electrochemical Recognition of Cations by Bis(pyrrolo)tetrathiafulvalene Macrocycles. Organic Letters, 2002, 4, 2461-2464.	4.6	75
23	Ion-Regulated Allosteric Binding of Fullerenes (C₆₀ and C₇₀) by Tetrathiafulvalene-Calix[4]pyrroles. Journal of the American Chemical Society, 2014, 136, 10410-10417.	13.7	72
24	Pyrrolo Annelated Tetrathiafulvalenes:Â The Parent Systems. Organic Letters, 1999, 1, 1291-1294.	4.6	70
25	Quantifying the working stroke of tetrathiafulvalene-based electrochemically-driven linear motor-molecules. Chemical Communications, 2006, , 144-146.	4.1	58
26	Self-Assembly of an Amphiphilic [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. Organic Letters, 2000, 2, 3547-3550.	4.6	54
27	Two Classes of Alongside Charge-Transfer Interactions Defined in One [2]Catenane. Journal of the American Chemical Society, 2007, 129, 7354-7363.	13.7	54
28	Poised on the Brink between a Bistable Complex and a Compound. Organic Letters, 2002, 4, 557-560.	4.6	53
29	Binding studies of tetrathiafulvalene-calix[4]pyrroles with electron-deficient guests. Tetrahedron, 2008, 64, 8449-8463.	1.9	53
30	Mechanistic Evaluation of Motion in Redox-Driven Rotaxanes Reveals Longer Linkers Hasten Forward Escapes and Hinder Backward Translations. Journal of the American Chemical Society, 2014, 136, 6373-6384.	13.7	48
31	A chloride-anion insensitive colorimetric chemosensor for trinitrobenzene and picric acid. Analytical and Bioanalytical Chemistry, 2009, 395, 393-400.	3.7	46
32	Turning on Resonant SERRS Using the Chromophoreâ^'Plasmon Coupling Created by Hostâ^'Guest Complexation at a Plasmonic Nanoarray. Journal of the American Chemical Society, 2010, 132, 6099-6107.	13.7	44
33	Synthesis and non-linear optical properties of mono-pyrrolotetrathiafulvalene derived donorâ€"Ï€â€"acceptor dyads. Journal of Materials Chemistry, 2004, 14, 179-184.	6.7	43
34	Locking down the Electronic Structure of (Monopyrrolo)tetrathiafulvalene in [2]Rotaxanes. Organic Letters, 2006, 8, 2205-2208.	4.6	43
35	Molecular Logic Gates Using Surface-Enhanced Raman-Scattered Light. Journal of the American Chemical Society, 2011, 133, 7288-7291.	13.7	43
36	Binding Studies between Triethylene Glycol-Substituted Monopyrrolotetrathiafulvalene Derivatives and Cyclobis(paraquat-p-phenylene). Journal of Organic Chemistry, 2007, 72, 1617-1626.	3.2	39

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37	Bis(tetrathiafulvalene)-Calix[2]pyrrole[2]- thiophene and Its Complexation with TCNQ. Organic Letters, 2007, 9, 5485-5488.	4.6	33
38	Determination of Binding Strengths of a Hostâˆ'Guest Complex Using Resonance Raman Scattering. Journal of Physical Chemistry A, 2009, 113, 9450-9457.	2.5	31
39	Quantification of the Ï€â€"Ï€ Interactions that Govern Tertiary Structure in Donorâ€"Acceptor [2]Pseudorotaxanes. Journal of the American Chemical Society, 2012, 134, 3857-3863.	13.7	31
40	Electrochemical control of the single molecule conductance of a conjugated bis(pyrrolo)tetrathiafulvalene based molecular switch. Chemical Science, 2017, 8, 6123-6130.	7.4	31
41	Synthesis and recognition properties of higher order tetrathiafulvalene (TTF) calix[n]pyrroles (n =) Tj ETQq1 1 0.784314 rgBT /Overlock	7.4	29
42	Selfâ€Assembled Architectures with Segregated Donor and Acceptor Units of a Dyad Based on a Monopyrroloâ€Annulated TTFâ€"PTM Radical. Chemistry - A European Journal, 2015, 21, 8816-8825.	3.3	25
43	Design and Sensing Properties of a Selfâ€Assembled Supramolecular Oligomer. Chemistry - A European Journal, 2016, 22, 1958-1967.	3.3	25
44	Pseudorotaxane capped mesoporous silica nanoparticles for 3,4-methylenedioxymethamphetamine (MDMA) detection in water. Chemical Communications, 2017, 53, 3559-3562.	4.1	25
45	Selfâ€Assembled Monolayers of Monoâ€Tetrathiafulvalene Calix[4]pyrroles and Their Electrochemical Sensing of Chloride. Chemistry - A European Journal, 2009, 15, 8128-8133.	3.3	24
46	A Pyrrolo-Tetrathiafulvalene Cage:â€‰ Synthesis and X-ray Crystal Structure. Organic Letters, 2002, 4, 4189-4192.	4.6	23
47	Anion effects on the cyclobis(paraquat-p-phenylene) host. Chemical Communications, 2012, 48, 5157.	4.1	23
48	Tetrathiafulvalene-calix[4]pyrrole: a versatile synthetic receptor for electron-deficient planar and spherical guests. Organic and Biomolecular Chemistry, 2019, 17, 2594-2613.	2.8	21
49	A Pyrrolo-Tetrathiafulvalene Belt and Its TCNQ Complex:â€‰ Syntheses and X-ray Crystal Structures. Organic Letters, 2002, 4, 1327-1330.	4.6	19
50	Use of solvent to regulate the degree of polymerisation in weakly associated supramolecular oligomers. Chemical Communications, 2014, 50, 5497-5499.	4.1	17
51	Acid/Base Controllable Molecular Recognition. Chemistry - A European Journal, 2011, 17, 11001-11007.	3.3	16
52	Monoâ€•and Bis(pyrrolo)tetrathiafulvalene Derivatives Tethered to C₆₀: Synthesis, Photophysical Studies, and Selfâ€Assembled Monolayers. Chemistry - A European Journal, 2014, 20, 9918-9929.	3.3	16
53	Probing the Role of Glycol Chain Lengths in Ï€-Donorâ€"Acceptor [2]Pseudorotaxanes Based on Monopyrrolo-Tetrathiafulvalene and Cyclobis(paraquat-<i>p</i>-phenylene). Journal of Organic Chemistry, 2017, 82, 1371-1379.	3.2	15
54	Pressure effects in the synthesis of isomeric rotaxanes. Chemical Communications, 2013, 49, 5936.	4.1	14

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55	Robust Inclusion Complexes of Crown Ether Fused Tetrathiafulvalenes with Li + @C 60 to Afford Efficient Photodriven Charge Separation. Chemistry - A European Journal, 2014, 20, 13976-13983.	3.3	14
56	Advances in the synthesis of functionalised pyrrolotetrathiafulvalenes. Beilstein Journal of Organic Chemistry, 2015, 11, 1112-1122.	2.2	13
57	The First Electrochemically Active Cuppedophanes:â€‰ Bis(tetrathiafulvalene)cuppedophanes. Organic Letters, 2000, 2, 2471-2473.	4.6	9
58	Very Strong Binding for a Neutral Calix[4]pyrrole Receptor Displaying Positive Allosteric Binding. Journal of Organic Chemistry, 2017, 82, 2123-2128.	3.2	9
59	Enhanced detection of explosives by turn-on resonance Raman upon hostâ€“guest complexation in solution and the solid state. Chemical Communications, 2017, 53, 10918-10921.	4.1	9
60	The Introduction of Pyrrolotetrathiafulvalene into Conjugated Architectures: Synthesis and Electronic Properties. Macromolecular Rapid Communications, 2008, 29, 1226-1230.	3.9	8
61	A novel thiopyran-4-thione synthesis and crystal structure of a thiopyran-4-thione. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 1467-1470.	1.3	7
62	Salts accelerate the switching kinetics of a cyclobis(paraquat-<i>p</i>-phenylene) [2]rotaxane. Organic and Biomolecular Chemistry, 2019, 17, 2432-2441.	2.8	7
63	Probing the Electrostatic Barrier of Tetrathiafulvalene Dications using a Tetraâ€stable Donorâ€“Acceptor [2]Rotaxane. Chemistry - A European Journal, 2020, 26, 6165-6175.	3.3	7
64	Ionic manipulation of charge-transfer and photodynamics of [60]fullerene confined in pyrrolo-tetrathiafulvalene cage. Chemical Communications, 2017, 53, 9898-9901.	4.1	6
65	Redox-Active Monopyrrolotetrathiafulvalene-Based Rotaxane Incorporating the Dihydroazulene/Vinylheptafulvene Photo/Thermoswitch. European Journal of Organic Chemistry, 2019, 2019, 5532-5539.	2.4	6
66	Synthesis and Complexation Studies between Trifluoromethylammonium Threads and Dibenzo[24]Crownâ€8. European Journal of Organic Chemistry, 2011, 2011, 759-769.	2.4	4
67	Synthesis and Characterization of Ethylenedithio-MPTTF-PTM Radical Dyad as a Potential Neutral Radical Conductor. Magnetochemistry, 2016, 2, 46.	2.4	4
68	Naphtho[1,2â€‹<i>b</i>:5,6â€‹<i>b</i>â€²]dithiophene Building Blocks and their Complexation with Cyclobis(paraquatâ€‹<i>p</i>â€phenylene). European Journal of Organic Chemistry, 2019, 2019, 7532-7540.	2.4	4
69	Monopyrrolotetrathiafulvalenium dication and its complexation with 1,5-dinaphtho[38]crown-10. Supramolecular Chemistry, 2009, 21, 157-163.	1.2	3
70	Quantifying the barrier for the movement of cyclobis(paraquat-p-phenylene) over the dication of monopyrrolotetrathiafulvalene. Organic and Biomolecular Chemistry, 2022, , .	2.8	3
71	Characterization of a Byproduct in the Alkylation of DMIT: Alkylation on the Least Nucleophilic Sulfur Atom. European Journal of Inorganic Chemistry, 2006, 2006, 3099-3104.	2.0	1
72	The Xsense project: The application of an intelligent sensor array for high sensitivity handheld explosives detectors. , 2011, , .		1

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73	Design and Sensing Properties of a Self-Assembled Supramolecular Oligomer. Chemistry - A European Journal, 2016, 22, 1869-1869.	3.3	0